



Product datasheet

Anti-Surfactant protein D antibody [EP9191] ab168366

RabMAb[®]

1 Image

Overview

Product name	Anti-Surfactant protein D antibody [EP9191]
Description	Rabbit monoclonal [EP9191] to Surfactant protein D
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, ICC, IHC-P or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human Surfactant protein D aa 300 to the C-terminus. The exact sequence is proprietary. Database link: P35247
	 Run BLAST with  Run BLAST with
Positive control	Human fetal lung, mouse lung, rat lung, A549, and A375 lysates.
General notes	Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMab[®] patents

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 50% Glycerol, 0.05% BSA
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EP9191
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab168366** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 38 kDa.

Application notes Is unsuitable for Flow Cyt, ICC, IHC-P or IP.

Target

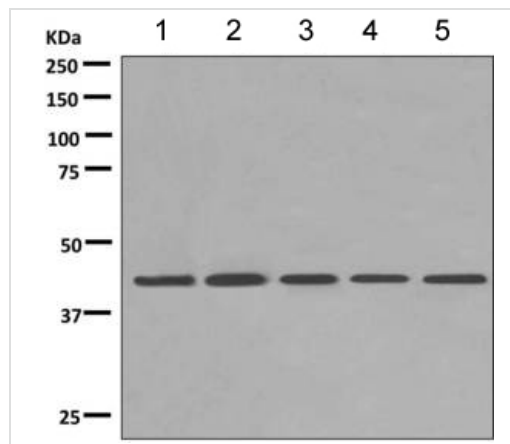
Function Contributes to the lung's defense against inhaled microorganisms. May participate in the extracellular reorganization or turnover of pulmonary surfactant. Binds strongly maltose residues and to a lesser extent other alpha-glucosyl moieties.

Sequence similarities Belongs to the SFTPD family.
Contains 1 C-type lectin domain.
Contains 1 collagen-like domain.

Post-translational modifications The N-terminus is blocked.
Hydroxylation on proline residues within the sequence motif, GXPG, is most likely to be 4-hydroxy as this fits the requirement for 4-hydroxylation in vertebrates.

Cellular localization Secreted > extracellular space > extracellular matrix. Secreted > extracellular space > surface film.

Images



Western blot - Anti-Surfactant protein D antibody [EP9191] (ab168366)

All lanes : Anti-Surfactant protein D antibody [EP9191] (ab168366) at 1/1000 dilution

- Lane 1** : Human fetal lung lysate
- Lane 2** : mouse lung lysate
- Lane 3** : rat lung lysate
- Lane 4** : A549 lysate
- Lane 5** : A375 lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-rabbit HRP at 1/2000 dilution

Predicted band size: 38 kDa

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